

Jacob Doiron
Raleigh, NC 27604
Website: <https://jdoiron.me>

Education

St. Mary's College of Maryland, St. Mary's City, MD

Bachelor of Computer Science

May 2016

Technical Skills

Languages: Java, Spring, Hibernate, Thymeleaf, PostgreSQL, Python, Microsoft SQL, JavaScript, HTML, CSS

Dev. tools: Gradle, Maven, IntelliJ, PyCharm, Eclipse, Visual Studio Code, Git, GitHub, Bitbucket

Professional Experience

Carolina Hurricanes – Raleigh, NC – Full Stack Developer Jan 2017 – Mar 2019

Stack: Java, Spring, Hibernate, Thymeleaf, PostgreSQL, Python, Javascript, Bootstrap, HTML, CSS

- Developed an auction website to move home game auctions with in-person and over-the-phone bidding to an online platform. Features include item bid history, previous order history, and automatic payment processing.
- Created an online role-based platform for taking promotional requests, including Stormy appearances, Storm Squad, Slap Shot, First Goal upgrades, and the Hurricanes Kids Club requests, along with custom invoicing per request.
- Developed a donation platform for the Carolina Hurricanes Foundation.
- Started to develop an in-house suite ordering system with dynamic food/beverage menus per event, a menu templating system for easy menu creation, and admin-facing information portal with user registration, customer orders, and business analytics.

Syngenta – Durham, NC – Web/GIS Software Developer June 2016 – January 2017

Stack: Python, PyCharm, ArcGIS, Microsoft SQL, Javascript, HTML, CSS

- Developed a web application used for querying the MODIS data set for land usage and NDVI values based on the user's selected geospatial area(s). With the collected data, the application performed summarization metrics, made a raster for each data set, queried a database for extracting weather information, wrote Excel and CSV files for metrics, pulled all results into a zip file, and emailed the compiled zip file to the user.
- Developed an application to automate the process of subdividing a geospatial area into x rows by y columns, denoted by a given Excel spreadsheet. The tool parsed all information from the cells and automatically attributed each geospatial plot with variables such as trial id, plot id, pesticide type, etc. It would also merge adjacent plots based on a set of criteria within the cells, matching real-world planting areas.